

Embassy Science Fellows

Professional Development Opportunity for DOI Scientists

The Embassy Science Fellows Program invites applications from throughout the U.S. Department of the Interior (DOI) headquarters and Bureau staff for one-to-three-month technical assignments at U.S. posts abroad. The goal of the program is to provide expertise in science, mathematics, and engineering to support the work of embassies, consulates, and missions of the State Department while providing international experience to DOI staff. Nine other agencies participate in the program.

BACKGROUND

DOS and DOI have complementary strengths and needs. DOS manages international relationships through diplomacy but needs input from the science and engineering community to formulate policy in certain areas. The Embassy Science Fellows Program (ESFP) provides a valuable mechanism for the USG to advance national research and development priorities through international collaboration and provides a venue to develop relationships which will benefit DOI. The ESFP supports collaboration with host government and local entities to meet multiple objectives: advancing USG science policy, diplomacy and development objectives; complementing and supporting bilateral, regional or global cooperative USG science and technology (S&T) activities; and strengthening the international science & technology capabilities of DOS, USAID and participating agencies.

ASSIGNMENT ACTIVITIES

Embassy Science Fellows typically spend from 1-3 months at foreign posts, while remaining DOI employees. The duration of the assignment varies according to the needs of the Post and the availability of the applicant, but an average stay is approximately 6 weeks. During their assignment, Fellows work closely with the Science Counselor and/or other embassy staff involved in S&T issues. In general, the Fellow serves as a visiting "consultant" to the Embassy. Depending on the needs of the Embassy, the Fellow may be called upon for such responsibilities as:

- meeting with foreign colleagues in ministries, universities, and other research organizations;
- furnish expert advice and consultation to host country colleagues, officials or institutions;
- conduct research, surveys, interviews or assessments on S&T topics identified by overseas posts;
- performing site visits to develop expertise in that country's science and engineering system;
- assist with preparations for conferences and meetings taking place in the host country;
- write reports of a technical or policy nature that may be used in DOS reporting; and/or,
- provide expert advice on formulation of bilateral and/or multilateral activities and foreign policy.

In addition to the personal experience of living and working abroad, the DOI employee gains direct experience on US embassy operation, foreign policy development and implementation, and insight into how scientific and technical issues intersect foreign policy concerns. Moreover, the experience affords both the individual employee and DOI a deeper understanding of the science and engineering system and institutions of one or more foreign countries.

ELIGIBILITY

U.S. citizenship is required. Eligible participants must have a science/engineering background. In addition, they must have at least 1 year of continuous Federal service, and be assigned to an established and valid position at DOI. Maximum participation in the program is twice.

CLEARANCES

A medical clearance from State is required for fellowships of more than 59 days. Employees must be able to provide proof of a national criminal check (NACI). Some fellowships may require a secret-level security clearance which will be processed by the State Department. Processing of security clearances can take 4 months or longer from the time the candidate submits the necessary forms to the State Department.

MATCHING OF AGENCIES' INTERESTS

These developmental assignments must be agreed to in advance by the Fellow, his or her DOI supervisor, the hosting Embassy, and the appropriate DOS bureaus. This agreement includes the work that the Fellow will perform at the Embassy, the Embassy staff with whom the Fellow will work, and the terms of cost-sharing between DOI and the DOS.

DOS solicits requests from embassies and consulates for experts for specific work assignments. However, the State Department is willing to explore proposals from agencies looking to enable their work. Interested DOI employees are expected to explore with their supervisors the feasibility of such a professional development assignment, their mutual preferences for countries or regions, and general time frame for availability (e.g. "6 weeks in late fall"). Following are the Embassy requests, with greater elaboration of these opportunities further down in this announcement.

China: Examine the impact of rapid development on land and water resources in western China and explore potential areas for cooperation between the U.S. and China in addressing these issues.

Congo: Provide advice and guidance on developing the extractive industries sector while mitigating biodiversity loss and limit public health risks.

Congo: Provide advice and guidance on the design of ecotourism opportunities.

Ecuador: Assist in the design, implementation, and evaluation of USAID's ongoing work in the management of Ecuador's coastal crab fisheries.

Indonesia: Identify opportunities for expanded collaboration on science and technology issues.

Ireland: Work with the Marine Institute and Sustainable Energy Association Ireland to engage in intensive outreach in the area of marine renewable energy.

Jordanian, Israeli, and Palestinian Water Authorities: Conduct a needs assessment for the sharing of water data via website, remodel a website, and familiarize users with the new website.

Laos: Provide advice and guidance on climate change assessments and environmental impact assessments for tributary dams, working directly with scientists and experts at the Mekong River Commission Secretariat (MRCS) in Vientiane, Laos.

Latvia: Consult on next steps for developing Latvia's shale gas resources, and work with the government of Latvia to design an action plan for such development, encompassing technical, economic, regulatory, permitting, environmental and other issues.

Malawi: Identify priority areas for both adaptation and sustainable landscape level projects, with an emphasis on agriculture and land use practices. Conservation agriculture/agroforestry, irrigation technology and forest/watershed management will be areas of expertise required. Additionally, the Fellow will work on planned watershed interventions in the Shire River basin.

Marshall Islands: Provide advice and guidance on the management of water resources.

Morocco: Conduct vulnerability assessment to identify the severity of Global Climate Change stresses and risks confronting Morocco.

New Zealand: To participate in one of three overall topics, ranking in order of importance: Christchurch earthquake recovery, water quality and availability, and marine and coastal conservation.

Peru: Support for a new Science and Technology Ministry OR guidance on mitigation and adaptation to climate change.

Poland: Work with relevant officials to help draft national and regional regulations for shale gas drilling and production.

Vietnam: Conduct a pilot study on the impacts of rapid urban development on Hanoi's wetland ecosystem.

Vietnam: Work with climate change educational programs to provide technical advice to help improve curricula, materials, and faculty development.

EXPENSES AND TRAVEL

It is intended that timing of these assignments be coordinated for minimum disruption of the DOI staff member's regular workload. Individual offices are responsible for the expenses of their employees during their Embassy Science Fellow tenure, including salary and benefits, international travel, 2 training courses (one in Washington DC) and a reduced fraction of the M&IE portion of per diem for the locality.

For those applying for the following opportunities:

- Laos
- Latvia
- Malawi
- Morocco
- Peru
- Poland

There is a *possibility* that supplementary funding would be available to defray some or all of the costs. If you are interested and appropriate for the assignment, please apply, and funding possibilities can be explored if your candidacy is put forward to the Embassy.

Embassies will provide, at a minimum, housing, office space and infrastructure, including a computer and official in-country travel.

APPLICATION PROCESS

If you are interested, please secure permission from your supervisor to apply. Please use the attached application form to apply for particular assignments at specific posts.

All non-USGS DOI applicants, must submit the application form to Barbara Pitkin at barbara_pitkin@ios.doi.gov by COB **October 18th**.

USGS applicants must submit their application form to Jean Noe Weaver at jweaver@usgs.gov by COB **October 18th**.

Candidate applications are ultimately screened by the requesting embassy/consulate which then reviews and selects the final Fellow.

FURTHER INFORMATION ON THE OPPORTUNITIES

CHINA

Topic: Land and Water Resources in Western China

Host: Embassy Beijing

Time: Two to three month period

Skills: Ideally, the Fellow will speak Chinese, have the ability to work independently in the field, and have some experience in land management, land remediation, water management, or water resources conservation. An ESF would likely find that carrying out substantive work in China without at least a minimal amount of Chinese language skills would be difficult.

Administrative Support: The Embassy will provide support in reaching out to local agencies and organizations that are relevant to the project.

Security Clearance: A security clearance is not required. Nevertheless, fellows must undergo a National Agency Check and Inquiries (NACI) investigation.

Project: The Fellow will examine the impact of rapid development on land and water resources in western China and explore potential areas for cooperation between the U.S. and China in addressing these issues. The Fellow will be based in the ESTH Section in Beijing and may be expected to travel.

CONGO

Topic: Protecting Biodiversity and Mitigating Climate Change

Host: Embassy Brazzaville

Time: Flexible, prefer spring/summer 2012 for housing and funding purposes.

Skills: Fluent French language skills are absolutely essential. Prefer specialist in mitigating environmental effects associated with inland extractive industry growth. Post will facilitate consultations with relevant ministries/governmental bodies, research institutions, international organizations (IOs), and non-government organizations (NGOs).

Administrative Support: Embassy Science Fellows must complete appropriate overseas personal security training prior to travel. Embassy Science Fellows should expect to engage regularly with post personnel on project activities. Post will provide housing, office space, scheduling/meeting facilitation, and in-country travel support.

Security Clearance: None. Medical clearance is required for fellowships of more than 59 days.

Project: The Fellow will give advice and guidance on developing the extractive industries sector while mitigating biodiversity loss and limit public health risk. The Government of Congo is looking to diversify its economy (government revenue is currently over 85% derived from oil exports), especially in the areas of mining and timber exports. These extractive industries have the potential to greatly augment government revenue, as well as provide tens of thousands of jobs to a poor populace. Several iron ore mines, for example, are currently in the post-exploration phases and look to begin production as early as 2013. However, these extractive industries also have the potential to devastate the already fragile biodiversity in areas of the country, as well as open up pathways for new and emerging pathogens to reach human populations, among a host of other issues. The government of Congo has sought some input in managing the environmental and public health impact of such economic activities, including from American NGOs, but there is considerable room for additional expert input in helping to design economic activities to mitigate biodiversity loss and limit public health risks.

CONGO

Topic: Ecotourism Design

Host: Embassy Brazzaville

Time: Flexible, prefer spring/summer 2012 for housing and funding purposes.

Skills: Fluent French language skills are absolutely essential. Prefer specialist in designing environmentally impact-limited ecotourism or forest conservation. Post will facilitate consultations with relevant ministries/governmental bodies, research institutions, international organizations (IOs), and non-government organizations (NGOs).

Administrative Support: Embassy Science Fellows must complete appropriate overseas personal security training prior to travel. Embassy Science Fellows should expect to engage regularly with post personnel on project activities. Post will provide housing, office space, scheduling/meeting facilitation, and in-country travel support.

Security Clearance: None. Medical clearance is required for fellowships of more than 59 days.

Project: It is a stated goal of the government of Congo to increase ecotourism activities. Unfortunately, the country lacks capacity to adequately provide the host of services associated with such industry, including engineering, hotel management, and safety design. Nevertheless, the government is taking steps to make this goal a reality. Currently, the only consulting service that the government is receiving on the topic is from NGOs and IO's helping only as ecotourism peripherally touches their missions.

ECUADOR

Topic: Economic and institutional analysis of artisanal crab fisheries in coastal mangrove estuaries in Guayas Province

Host: U.S. Mission in Ecuador

Time: Eight weeks from approximately July 1-August 31, 2012

Skills:

- Training in economics and natural resource management
- Experience in fisheries, forest, and watershed management
- Knowledge of evolving market issues for sustainably harvested resources, such as certification and buyer-driven management measures
- Knowledge of crab fisheries management in other regions of the world (e.g., Chesapeake, Southeast Asia)
- Knowledge of land use issues, such as training in agriculture or forestry
- Working knowledge of Spanish to allow direct interaction with local officials

Administrative Support: The U.S. Mission in Ecuador is prepared to provide all necessary administrative support for the proposed Embassy Science Fellow, including housing, local travel to the mangrove reserve in Guayas Province, and access to office space and computer facilities.

Security Clearance: None

Project: Assistance in the design, implementation, and evaluation of USAID's ongoing work in the management of Ecuador's coastal crab fisheries. The project has a dual objective of protecting biodiversity and enhancing livelihoods in local fishing communities in and around the Churute Mangrove Reserve in Guayas Province.

INDONESIA

Topic: Promote Multilateral Science and Technology Diplomacy

Host: United States Mission to the Association of Southeast Asian Nations in Jakarta

Time: Timeframe is flexible.

Skills: The language of ASEAN is English; however, familiarity with one or more Southeast Asian languages, knowledge of the region, and prior experience living and/or working in Southeast Asia would be beneficial. ESF should possess excellent interpersonal communication and research skills. Because a project of this nature would require frequent contact with foreign government officials and nationals, cultural sensitivity and good political judgment are essential. The position would require a scientist with substantive familiarity and history of working effectively with a broad range of U.S. technical agencies and a proven record of success implementing international projects or programs with elements of the interagency.

Administrative Support: Post will provide appropriate housing, office support, other logistical support for a fellow assigned to Post. Funding for in-country/regional travel will be provided pending future funding availability. Office space outside of Mission premises is available should space concerns dictate.

Security Clearance: None

Project: Identify opportunities for expanded collaboration on science and technology issues. ESF would advise the Ambassador of the most effective strategies by which to enhance S&T cooperation between the ASEAN and U.S. scientific communities, coordinate communication with U.S. based technical agencies, and conceive a set of regional science programs and exchanges in consultation with ASEAN bodies.

IRELAND

Topic: Marine Renewable Energy

Host: Embassy Dublin

Time: About 8 weeks in spring 2012. Timeframe is flexible. Medical clearance may be necessary if length exceeds 59 days.

Skills: The Fellow should have an expertise in some aspect of ocean energy.

Administrative Support: Embassy Dublin will provide housing, office space with computer and email access, and mobile phone for in-country use. Embassy Dublin will cover the Fellow's work-related in-country travel expenses. Projects may require the Fellow to work off-site for a number of weeks. The Fellow will work closely with the Embassy Public Affairs Section and also the Political Economic Officer responsible for marine renewable energy.

Security Clearance: Not required but welcome.

Project: Work with the Marine Institute and Sustainable Energy Association Ireland to engage in intensive outreach in the area of marine renewable energy. The ESF will have a twofold project; establishing better institutional links with marine renewable energy stakeholders furthering the U.S.-Ireland R&D Partnership and providing a foundation for a future Memorandum of Understanding on ocean technologies; and participating in public engagement activities surrounding Dublin City of Science 2012.

JORDANIAN, ISRAELI AND PALESTINIAN WATER AUTHORITIES

Topic: Reengineer the Executive Action Team (EXACT) Website

Host: Embassies Tel Aviv and Amman, and Consulate General Jerusalem

Time: 2-3 months (starting in late 2011 in order to make a presentation at the next EXACT Core Party and donor meeting, planned to be held in early December 2011). Medical clearance would be required if length exceeds 59 days.

Skills: ESF needs Internet technology and website development skills. Strong interpersonal skills are essential, and a background in negotiations, conflict resolution, and water issues are a plus. Familiarity with available software packages and training skills would increase the applicant's desirability for this project.

Administrative Support: The fellow must be available to consult with the three Core Parties. Vehicular travel and lodging will be coordinated among the three Posts. All three Posts have challenges in housing and offices space, so the fellow should be flexible, willing to move from office to office, live in temporary quarters, and be willing to live with a U.S. government host family. USAID Tel Aviv has a dedicated office space and Embassy Tel Aviv has temporary quarters for the ESF to use in the fall for the fellow's base in Israel. EXACT will fund in-country and regional travel.

Amman, Tel Aviv, and Jerusalem are 15% danger Posts, and if traveling in the West Bank for more than four hours, the danger quotient increases to 20%.

Security Clearance: None

Project: The ESF computer scientist/web designer/IT specialist will conduct a needs assessment for the sharing of water data via website, remodel a website and familiarize users

with the new website. The goal is to make the EXACT website more contemporary, user-friendly, and to meet the needs of EXACT's Core Parties (the Jordanian, Israeli, and Palestinian Water Authorities) and donors. The current website is <http://exact-me.org/index.htm>.

LAOS

Topic: Climate Change and Environmental Impact Assessments for Tributary Dams

Host: Mekong River Commission

Time: Two months – one month in Vientiane and up to one month of additional work in Vietnam and Cambodia.

Skills: Expert in the field of climate change assessments or environmental impact assessments for tributary dams.

Administrative Support: Post is fully committed to providing housing (during the months of September and October), supplemental office support (in addition to office space provided by the host agency-Mekong River Commission), in-country travel arrangements, and other support as necessary.

Security Clearance: None. However medical clearance is required for fellowships of more than 59 days.

Project: Field of climate change assessments or environmental impact assessments for tributary dams to work directly with scientists and experts at the Mekong River Commission Secretariat (MRCS) in Vientiane, Laos. The ESF will play an important role in working with experts in the Initiative on Sustainable Hydropower Division of the MRC. The fellow will promote the development of regional approaches to transnational challenges in the lower Mekong sub-region by enhancing collaboration and by building capacity within the four Southeast Asian partnered nations (Laos, Thailand, Vietnam, and Cambodia)

LATVIA

Topic: Shale gas development.

Host: The Fellow will work primarily with two Government of Latvia agencies: the Energy Department of the Latvian Ministry of Economics and the Latvian Geological and Meteorological Center, supervised by the Latvian Ministry of Environment and Regional Development.

Time: The project will last six weeks. Although exact dates are flexible, Embassy Riga will be best able to provide housing support between late June and early August 2012. No health clearance will be required.

Skills: The ideal candidate will be a geologist, engineer, or other scientist with expertise and experience in the field of shale gas exploration and development. Although Russian language skills would be helpful (as some of the source surveys are in Russian), no foreign language ability is required. The GOL will make all relevant materials available in English. In general, Riga, the capital of Latvia, is an English-friendly city.

Administrative Support: Embassy Riga will provide housing for the Fellow. Because housing will likely be from the existing housing pool, the best time for the Fellowship will be from late June

to early August 2012. Embassy Riga will provide TDY office services, including a desk at the Chancery with computer/internet/email (state.gov) access and access to Embassy services such as DPO/pouch, exercise room, health unit, and a mobile phone for in-country use. Embassy Riga will also cover the Fellow's work-related in-country travel expenses. The Fellow will work closely with an officer from the Political/Economic Section responsible for the Energy and ESTH portfolios. The Fellow will work closely with GOL counterparts on the project. The GOL has therefore offered to provide the Fellow with office space at one of the agencies involved in the project.

Security Clearance: None.

Project: The Fellow will assist the Government of Latvia (GOL) in reviewing and analyzing data from Soviet-era geological surveys suggesting the presence of recoverable shale gas resources within Latvian territory. The Fellow will consult with GOL experts on next steps for developing Latvia's shale gas resources, and will work with the GOL to design an action plan for such development, encompassing technical, economic, regulatory, permitting, environmental and other issues. The project will include the following elements:

- Work with the GOL to review and analyze existing data and samples suggesting the presence of viable unconventional gas/shale gas resources in Latvian territory.
- Assist the GOL in determining next steps for further exploration and development of these resources.
- Consult with the GOL on all aspects of shale gas development, including exploration and technical issues, environmental issues, and regulatory structures.
- As needed, consult with the GOL on its communications with interested parties about shale gas, including municipal governments, energy companies, and citizens' groups.
- Assist the GOL in developing a formal action plan for development of its potential shale gas resources.

MALAWI

Topic: Global Climate Change Strategy Formulation for Sustainable Landscape & Adaptation Projects

Host: Ministry of Natural Resources, Energy and the Environment—Department of Environmental Affairs

Time: Three months anytime from November 2011 to June 2012

Skills: Knowledge of climate change as well as sustainable landscape and adaptation.

Administrative Support: Embassy Lilongwe will provide housing, office support, and in-country travel arrangements.

Security Clearance: None

Project: Identify priority areas for both adaptation and sustainable landscape level projects, with an emphasis on recently approved Feed the Future (FTF) program. An emphasis on agriculture and land use practices will be a common denominator to both FTF and GCC projects—conservation agriculture/agro forestry, irrigation technology and the forest/watershed management will be areas of expertise required. Additional coordination with the Millennium Challenge Corporations planned watershed interventions in the Shire River basin for the recently

approved \$350 million dollar power sector compact will need to be integrated into the Fellow's program.

MARSHALL ISLANDS

Topic: Integrated Water Resources Management

Host: Republic of the Marshall Islands Environmental Protection Authority

Time: Two months (timeframe flexible)

Skills: Because of limited capacity of the EPA, the ESF will be counted on to take initiative and lead out on projects and ideas. The fellow should have knowledge and expertise in one or all of the following areas that will help in developing integrated water resource management in the RMI: zoning for water resources, water resources management, water law, environmental science, hydrology, and/or water engineering.

Administrative Support: During the duration of the fellowship, the fellow will occupy a small apartment located under the Chief of Mission Residence (CMR) on Majuro lagoon. RMIEPA will provide the fellow with office space and computer access in their main office building. Local transportation costs will be covered by post and by the RMIEPA.

Security Clearance: None

Project: Advice and guidance on the management of water resources. The EPA is currently working on two projects that include and overarching national water policy and management of the lens well on Majuro atoll. The EPA requests guidance from the ESF in their formulation of the national water policy and on an action plan associated with the implementation. It is the responsibility of the EPA to manage and protect the lens well; the ESF's scientific input is needed to help zone land use above the well in order to protect potable water resources. The result would be an action plan to manage farming, living quarters, salt water intrusion, septic tanks, Laundromats, and grave burials in a way that will protect the well from human and climate related impacts for decades to come.

MOROCCO

Topic: Vulnerability assessment to identify the severity of Global Climate Change stresses and risks confronting Morocco.

Host: Embassy Rabat/USAID

Time: Post suggests starting in early January 2012. Post suggests two month duration (medical clearance would be necessary for more than 59 days).

Skills: ESF should have strong research and analytical skills as well as a background in climate change, earth and environmental sciences; and be proficient in French.

Administrative Support: USAID is prepared to provide housing, office support, and in-country travel arrangements if required (for example, official travel to scientific and academic institutions).

USAID has offered office space for the proposed ESF. The housing will be living space in a USG-owned residence with fees covered by USAID.

Security Clearance: None

Project: A vulnerability assessment to identify the severity of Global Climate Change stresses and risks confronting Morocco.

NEW ZEALAND

Topic: Christchurch earthquake recovery, water quality and availability, and marine and coastal conservation

Host: U.S. Mission to New Zealand

Time: Three months

Skills: ESF should have good sense of economic issues; have expertise in seismic engineering, water quality or coastal and marine ecosystems management.

Administrative Support: Post assures that it is committed to providing the following assistance necessary for the incoming ESF: housing, office support, and in-country travel arrangements (if applicable), and any other logistical support information.

Security Clearance: A medical clearance and a security clearance of "SECRET" level or higher are required.

Project: To participate in one of three overall topics, ranked in order of importance: Christchurch earthquake recovery, water quality and availability, and marine and coastal conservation.

- Three major earthquakes in New Zealand's 2nd largest city Christchurch was nearly destroyed with over 33% of the buildings in the central business district needing demolition. The ESF would be involved in the recovery and rebuilding effort of Christchurch.
- Agriculture is a dominant use of land in New Zealand and has had the most widespread impact on water quality. Due to increased agriculture production, New Zealand has been linked to increases in water pollution. ESF would work closely with the National Institute of Water and Atmospheric Research (NIWA) a Crown Research Institute established by the Government of New Zealand (GNZ), to undertake scientific research and to improve the ecological health of New Zealand's freshwater environment. A possible project for the ESF would be to enhance management of the riparian areas, ephemeral streams and or salt marshes to restore local and downstream habitats.
- The New Zealand Department of Conservation (DOC) monitors the effect and implementation of Regional Coastal Plans (RCPs). RCPs are plans prepared by regional councils and unitary authorities for the coastal marine area of a region. The DOC's purpose is to assist these councils in achieving the sustainable management of their coastal environment which include objectives, policies and rules that govern what activities the councils will allow, control or prohibit in the coastal environment. The plans are a tool used to manage any actual or potential effects from the use, development, or protection of the coastal marine area. Post foresees ESF assisting DOC in this process or another related project within the DOC with a marine ecosystem focus.

PERU

Topic: Science and Technology Ministry/ Climate Change

Host: U.S. Embassy Lima

Time: Early 2012

Skills: Spanish language proficiency.

Administrative Support: The Post is unable to fund housing and in-country transportation for the fellow due to limited program budget. The Post commits to provide office space, computer/email/internet access, mail (pouch or DPO), access to the health unit, checking cash, Community Liaison Office (CLO) services for orientation only, as well as logistical support for the fellow during their stay in the country. Post also clarifies that it is understood that the sponsoring agency will pay for all salary and any related allowances such as COLA or hardship.

Security Clearance: None. However a security clearance is preferred.

Project: ESF would support the new Science and Technology Ministry OR provide guidance on mitigation and adaptation to climate change. Post would prefer fellow who could assist the new government of Peru by supporting the initiative to establish a Science and Technology Ministry. The Fellow would give support by providing technical assistance on structure and guidance for scientific development of the new institution including funding schemes and incubation models, biodiversity genomic scientific research, and nuclear energy technology transfer.

An ESF with expertise in Climate Change adaptation could assist the country with issues related to risk analysis and prevention, adaptation tools for economic sectors, climate change meteorological modeling, and marine conservation activities that could be used to improve Peru's overall resilience to climate change effects. Peru is considered one of the most vulnerable countries to the effects of climate change. Given that most international climate change funding would be focused on mitigation activities, adaptation support is vital for Peru.

POLAND

Topic: Environmentally-Sound Shale Gas Development.

Host: Ministry of Environment, General Directorate for Environmental Protection

Time: Three months in early 2012; exact timing will depend on availability of Science Fellow and of housing at post.

Skills: Polish language skills would be helpful, but not required. Strong public-speaking skills preferred. ESF should be an expert on environmental impact studies. The Fellow should be familiar with administrative procedures related to the exploration and production of shale gas in the U.S., including environmental regulations and best practices. The Fellow should also have knowledge of methods used to identify key environmental problems, as well as ways to protect ground waters and surface waters.

Administrative Support: Post is committed to providing housing, office support, and in-country travel arrangements as applicable.

Security Clearance: None

Project: Work with relevant officials to help draft national and regional regulations for shale gas drilling and production. This would include traveling to various shale gas sites in Poland to meet with representatives of the Regional Directorates for Environmental Protection and other local officials, to discuss their concerns about the environmental impacts of shale gas exploitation. The Fellow would share U.S. experience in land use planning, resource management plans, and the design of environmental impact assessments, as well as how federal and local authorities are involved in these processes in the U.S. The Fellow would also participate in public diplomacy efforts.

VIETNAM

Topic: The Impacts of Rapid Urban Development on Hanoi's Wetland Ecosystem

Host: International Union for the Conservation of Nature (IUCN)

Time: Summer 2012: the fellowship will last seven weeks, not including about five weeks of work in the U.S.

Skills: The ESF should be a specialist in urban/wetlands ecology and/or urban planning. Vietnamese language skills are desirable but not required.

Administrative Support: IUCN will provide office space and administrative support. The Mission will fund any in-country travel costs. The Mission anticipates being able to provide accommodations from its housing pool in Hanoi. Due to limited housing and cost constraints, the Mission requests the candidate is flexible regarding the timeframe of the fellowship and specific housing arrangements.

Security Clearance: None

Project: Conduct a pilot study on the impacts of rapid urban development on Hanoi's wetland ecosystem, focused on the wetlands between West Lake and the Red River. The Mission requests an ESF to partner with CECR and IUCN to study the impact of Tay Ho District urbanization on the biodiversity of and ecosystem services provided by the wetlands, and to make recommendations for wetlands preservation and restoration and urban planning and management to ensure the future sustainable development of the district. This pilot study in Tay Ho District may inform decision-making regarding sustainable urban development citywide and contribute to efforts to preserve and restore Hanoi's unique network of rivers, lakes, ponds, and streams and the valuable biodiversity and ecosystem services they provide.

VIETNAM

Topic: Educational Programs Related to Climate Change

Host: USAID Mission Vietnam

Time: During the late spring- summer 2012 transfer season for one month.

Skills: The ESF should be a science education specialist. Neither teaching experience nor Vietnamese language skills are required.

Administrative Support: The Mission is committed to providing office space, possibly at a host institution, and administrative and logistical support, including in-country travel costs. The Mission anticipates being able to provide accommodations from its housing pool in Hanoi, Ho Chi Minh

City, or both. Due to limited housing and cost constraints, the Mission requests the candidate is flexible regarding the timeframe of the fellowship and specific housing arrangements.

Security Clearance: None

Project: Work with climate change educational programs to provide technical advice to help improve curricula, materials, and faculty development. The ESF would consult with Ministry of Education and Training and one or more educational institutions such as Can Tho University, assess their curricula, materials, and faculty development, and prepare an assessment report providing technical advice to help improve such educational materials and activities.

APPLICATION FORM (see next page)

Embassy Science Fellows Program
2011-12 Application Form

Please attach a Resume/Curriculum Vitae to this form
Send signed form & Resume/Curriculum Vitae electronically to Agency Coordinator

1. Name (Last, First, MI):

2. Agency:

3. Current position:
Area(s) of Expertise:

4. Office contact information:
Address
Email:
Phone:
Fax:

5. Home Contact Information:
Address:
Phone:
Email:
Emergency Contact Person:

6. Proposed Post for Fellowship:
1st Choice:
2nd Choice:
3rd Choice:

5. Proposed Dates for Assignment/Availability:

6. Brief description of desired assignment including highlights of relevant experience and training and what you would hope to accomplish if selected:

7. Language Ability: evaluate skills using excellent, good, poor, fair or native fluency.

Language

Writing

Speaking

Reading

8. Have you previously been granted a security clearance?
If so, please specify the issuing agency, date issued, and the level of clearance granted:
Confidential/Secret/Top Secret

9. Have you previously been issued a medical clearance by the Department of State?
If so, please provide the date that the clearance was issued:

10. Have you previously completed Department of State approved overseas personal security training? If so, please provide the classes taken and the dates completed:

11. Previous Professional International Experience

Date (from-to)

Country

Reason/Project

By signing below, you agree to be considered for participation in the Embassy Science Fellows Program. Your information will only be shared with appropriate Department of State personnel and your parent agency. It does not constitute a guarantee that you will be placed nor are you bound to accept any assignment offered.

Signature of Applicant:

Date:

Approval by Supervising Official:

Date: